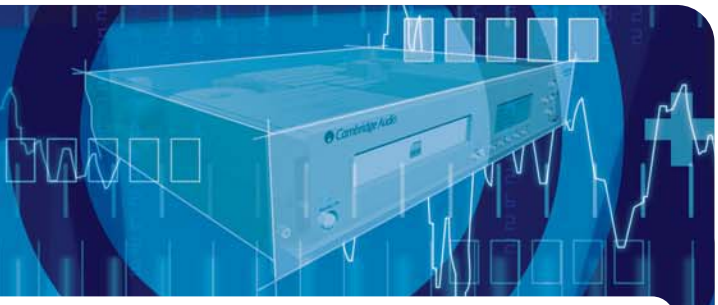
Cambridge Audio

Tech specs



Azur 540P and 640P phono pre-amp

Phono pre-amplifier duo complements latest Azur integrated amplifiers and AV receivers.

Extending the functionality of Cambridge Audio's critically acclaimed integrated stereo Azur amplifiers and AV receivers are two phono pre-amplifiers.

Employing state-of-the-art circuitry and high grade components the 540P is a high quality Moving Magnet (MM) phono stage, while the 640P features a more highly specified Moving Magnet stage, as well as the higher gain needed for compatibility with high-end Moving Coil (MC) cartridges.

The models feature single-ended 'Class A' gain stages and use discrete transistors instead of the more common integrated circuits. This gives less cross-talk and interference across the signal path, with both designs delivering high gain and linearity. The 540P employs an active RIAA equalisation, while the 640P makes use of audiophile passive RIAA equalisation, the optimum design type for phono stages thanks to its complete lack of phase distortion.

The 640P also uses superior amplification circuitry for its MM and MC stages to provide the lowest possible distortion and noise. In addition, the flagship model employs multi-parallel capacitors to achieve exceptional RIAA accuracy of only 0.3dB up to 50kHz and features a defeatable subsonic filter. This raft of technologies combines to offer a hugely dynamic, involving and open sound.

Both units feature the now customary Azur acoustically damped steel chassis and a robust anodised aluminium front plate. The rear panels benefit from gold plated input connectors to minimise signal path interference and reduce surface degradation and an external power supply comes as standard.

Azur 540P and 640P specifications

	540P	**640P**	MM	MC
Max power consumption	5W	5W		
Gain @ 1kHz	39dB		39dB	55dB
Nominal output	300mV	300mV		
Sensitivity for nominal output	3.35mV		3.35mV	0.5mV
THD 20Hz-20kHz	<0.009%	<0.007%		
RIAA curve accuracy	<+/-0.65dB	<+/-0.3dB		
	25Hz-20kHz	20Hz-50kHz (subsonic filter off)		
Signal to noise ratio using Audio Precision RIAA-1 with grounded inputs	>85dB		>85dB	>82dB
Crosstalk @ 20kHz	>76dB		>76dB	>72dB
Dimensions (W x D x H) (mm):	46 x 215 x 133	46 x 215 x 133		
Dimensions (W x D x H) (in):	1.8 x 8.5 x 5.2	1.8 x 8.5 x 5.2		
Weight	0.8kg/1.8lbs	0.9kg/2lbs		

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